

Course Specification

I. Course Identification and General Information:						
1	Course Title:	Advanced Pathophysiology				
2	Course Code & Number:	MNSG04				
3	Credit hours: 2	C.H				TOTAL
		Th	Seminar	Pr	Tr.	
		2	-	-		
4	Study level/ semester at which this course is offered:	First year/ first semester				
5	Pre –requisite:	-				
6	Co –requisite :	-				
7	Program (s) in which the course is offered:	Critical care nursing				
8	Language of teaching the course:	English				
9	Location of teaching the course:	Faculty of Nursing				
10	Prepared By:					
11	Date of Approval	2022				

II. Course Description:

The course focuses on the mechanism of development of pathological changes in various systems physiology it explains reason for development of such pathological condition. Emphasis is placed on the clinical manifestation of each pathophysiological condition.

III. Intended learning outcomes of the course (ILCOs) and their alignment to Program Intended learning outcomes (PILOs)

ILCOs	PILOs
1. Evaluate the pathological changer result at specific body system disorder.	B2
2. Differentiate between normal and abnormal physiological function at specific body system	B4
3. Describe the ability of a specific body system to adapt to a body organ disorder	A2
4. Discuss the phases of develop of physiologic disorder.	A2
5. Recognize susceptibility to develop pathophysiological condition and Clinical manifestations	B2

(A) Alignment Course Intended Learning Outcomes of Knowledge and Understanding to Teaching Strategies and Assessment Strategies:

Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
a2. Describe the ability of a specific body system to adapt to a body organ disorder	Lecture Discussion	Essay type Short answer Objective type
a2. Discuss the phases of develop of physiologic disorder.	Lecture Discussion	Essay type Short answer Objective type

(B) Alignment Course Intended Learning Outcomes of Intellectual Skills to Teaching Strategies and Assessment Strategies:

Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
b2. Evaluate the pathological changer result at specific body system disorder.	Lecture Discussion	Essay type Short answer Objective type
b2. Recognize susceptibility to develop pathophysiological condition and Clinical manifestations	Lecture Discussion	Essay type Short answer Objective type
b4. Differentiate between normal and abnormal physiological function at specific body system	Lecture Discussion	Essay type Short answer Objective type

(C) Alignment Course Intended Learning Outcomes of Professional and Practical Skills to Teaching Strategies and Assessment Strategies:

Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
Not applicable	-	-
(D) Alignment Course Intended Learning Outcomes of General and Transferable Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
Not applicable	-	-

III. Course Content:

A – Theoretical Aspect:

Order	Units/Topics List	Sub Topics List	No. of Weeks	Contact hours	Learning Outcomes
1	Introduction	Introduction to pathophysiology	1	2	a2
2	Heart failure	Heart failure	1	2	a2,b2,b4
3	Hemorrhage	Hemorrhage	1	2	a2,b2,b4
4	Circulatory shock	Circulatory shock	1	2	a2,b2,b4
5	Chronic renal failure	Chronic renal failure	1	2	a2,b2,b4
6	Diabetes mellitus	Diabetes mellitus	1	2	a2,b2,b4
7	Disturbances in the rate and rhythm of the heart beats	Disturbances in the rate and rhythm of the heart beats	1	2	a2,b2,b4
8	Disturbances of coronary blood flow	Disturbances of coronary blood flow	1	2	a2,b2,b4
9	Midterm exam		1	2	a2,b2,b4
10	Hypertension	Hypertension	1	2	a2,b2,b4
11	Pain sensation	Pain sensation	1	2	a2,b2,b4
12	Respiratory failure	Respiratory failure	1	2	a2,b2,b4
13	Thyroid crisis	Thyroid crisis	1	2	a2,b2,b4

14	Fluid & electrolyte imbalance	Fluid & electrolyte imbalance	1	2	a2,b2,b4
15	Hepatic failure	Hepatic failure	1	2	a2,b2,b4
16	Final exam		1	2	a2,b2,b4
Number of Weeks /and Units Per Semester			16	32	

B - Practical Aspect:				
Order	Tasks/ Experiments	Number of Weeks	contact hours	Learning Outcomes
	Not applicable	-	-	-
Number of Weeks /and Units Per Semester				

IV. Teaching strategies of the course:
1. Lecture - Discussion

V. Assignments:				
No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
1	Write about the reason for develop of changes pathological.	a2,b2,b4	5-12	10

VI. Schedule of Assessment Tasks for Students During the Semester					
No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Student assignment	5th and 12th week	10	10 %	a2,b2,b4
2	Presentation	4 st and 14 th week	20	20 %	a2,b2,b4
3	Mid-term exam	7th or 8th week	20	20%	a2,b2,b4
4	Final exam	16th-17th week	50	50 %	a2,b2,b4
Total Theory Weight			100	100%	

VII. Learning Resources:

1- Required Textbook(s)

1. Price S & Wilson L. Pathophysiology; Clinical concepts of disease process
Mc Graw . Hill New York 2010.

2- Essential References.

1. Price S & Wilson L. Pathophysiology; Clinical concepts of disease process Mc
Graw . Hill New York 2010.

3- Electronic Materials and Web Sites etc.

1. <http://www.yahoo.com>
2. <http://www.google.com>

VIII. Course Policies:

1. **Class Attendance:** At least 75 % of the course hours should be attended by the student. Otherwise, he/she will not be allowed to attend the final exam
2. **Tardy:** any student who is late for more than 15 minutes from starting the lecture will not be allowed to attend the lecture and will be considered absent.
3. **Exam Attendance/Punctuality:** Any student who is late for more than 30 minutes from starting the exam will not be allowed to attend the exam and will be considered absent.
4. **Assignments & Projects:** Assignments and projects will be assessed individually unless the teacher request for group work
5. **Cheating:** Cheating by any means will cause the student failure and he/she must re-study the course
6. **Plagiarism:** Plagiarism by any means will cause the student failure in the course. Other disciplinary procedures will be according to the college rules.

Course Plan (Syllabus)

I. Information about Faculty Member Responsible for the Course:							
Name of Faculty Member		Office Hours					
Location & Telephone No.		SAT	SUN	MON	TUE	WED	THU
E-mail		X					

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5.	Pre –requisite:	-				
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7.	Program (s) in which the course is offered	Critical care nursing				
8.	Language of teaching the course:	English				
9.	System of Study:	Semester system				
10.	Mode of delivery:	Full time				
11.	Location of teaching the course:	Faculty of Nursing				

III. Course Description:	
<p>The course focuses on the mechanism of development of pathological changes in various systems physiology it explains reason for development of such pathological condition. Emphasis is placed on the clinical manifestation of each pathophysiological condition.</p>	

IV. Intended learning outcomes (ILOs) of the course:

1. Evaluate the pathological changer result at specific body system disorder.
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3. Describe the ability of a specific body system to adapt to a body organ disorder
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5. Recognize susceptibility to develop pathophysiological condition and Clinical manifestations

V. Course Content:

- Distribution of Semester Weekly Plan of Course Topics/Items and Activities.

A – Theoretical Aspect:

Order	Topics List	Week Due	Contact Hours
1	Introduction to pathophysiology	1	2
2	Heart failure	2	4
3	Hemorrhage	3	2
4	Circulatory shock	4	2
5	Chronic renal failure	5	2
6	Diabetes mellitus	6	2
7	Disturbances in the rate and rhythm of the heart beats	7	2
8	Midterm exam	8	2
9	Disturbances of coronary blood flow	9	2
10	Hypertension	10	2
11	Pain sensation	11	2
12	Respiratory failure	12	2
13	Thyroid crisis	13	2
14	Fluid & electrolyte imbalance	14	2
15	Hepatic failure	15	2
16	Final exam	16	2
Number of Weeks /and Units Per Semester		16	32

B– Practical Aspect:			
Order	Topics List	Week Due	Contact Hours
	Not applicable	-	-
Number of Weeks /and Units Per Semester		-	-

VI. Teaching strategies of the course:

1. Lecture - Discussion

VII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
1	Write about the reason for develop of changes pathological.	a2,b2,b4	5-12	10

VIII. Schedule of Assessment Tasks for Students During the Semester

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